PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 2003P12649WO	FOR FURTHER ACTION	See Form PCT/IPEA/416						
International application No.	International filing date (day/month/year	Priority date (day/month/year)						
PCT/EP2004/008158	21.07.2004	08.09.2003						
International Patent Classification (IPC) or nat	ional classification and IPC							
H04L12/14								
Applicant SIEMENS AKTIENGESELLSCHAFT								
1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.								
2. This REPORT consists of a total of	6 sheets, in	cluding this cover sheet.						
3. This report is also accompanied by A	NNEXES, comprising:							
a. (sent to the applicant and	to the International Bureau) a total of	sheets, as follows:						
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).								
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental								
Box.								
b (sent to the International	Bureau only) a total of (indicate type and i	number of electronic carrier(s))						
		, containing a sequence listing and/or tables						
Section 802 of the Adminis	•	Supplemental Box Relating to Sequence Listing (see						
This report contains indications relat:	ng to the following items:							
Box No. I Basis of the	ereport							
Box No. II Priority								
Box No. III Non-estable	shment of opinion with regard to novelty,	inventive step and industrial applicability						
Box No. IV Lack of uni	ty of invention							
BOX 110. V								
Box No. VI Certain doc	Box No. VI Certain documents cited							
Box No. VII Certain def	Box No. VII Certain defects in the international application							
Box No. VIII Certain observations on the international application								
Date of submission of the demand	Date of completion	n of this report						
		•						
Name and mailing address of the IPEA/EP	Authorized officer							
Facsimile No.	Telephone No.							

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/EP2004/008158

Вох	No. I	Basis of the report						
1.		n regard to the language , this report is based on the internat cated under this item.	ional application in the language in	which it was filed, unless otherwise				
			s report is based on translations from the original language into the following language, ch is the language of a translation furnished for the purposes of:					
		international search (Rule 12.3 and 23.1(b))						
		publication of the international application (Rule 12	.4)					
		international preliminary examination (Rule 55.2 ar	nd/or 55.3)					
2.	rece	n regard to the elements of the international application, the iving Office in response to an invitation under Article 14 report):						
		the international application as originally filed/furnished						
	\boxtimes	the description:						
		pages <u>1-13</u>		as originally filed/furnished				
		pages*	received by this Authority on					
		pages*	received by this Authority on					
	\boxtimes	the claims:						
		nos.		as originally filed/furnished				
		nos.*	as amended (togethe	r with any statement) under Article 19				
		nos.* _ 1-10	received by this Authority on	04.07.2005 by fax				
		nos.*	received by this Authority on					
	\boxtimes	the drawings:						
		sheets 1/4-4/4		as originally filed/furnished				
		sheets*						
		sheets*	received by this Authority on					
		a sequence listing and/or any related table(s) – see Supple	mental Box Relating to Sequence L	.isting.				
3.		The amendments have resulted in the cancellation of:						
			the description, pages the claims, nos					
		the drawings, sheets/figs	7					
		the sequence listing (specify):						
	any table(s) related to sequence listing (specify):							
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).						
		the description, pages						
		the claims, nos.						
			the drawings, sheets/figs					
*	If ite	em 4 applies, some or all of those sheets may be marked "sı	perseded."					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/EP2004/008158

Box	x No. V			ticle 35(2) with regard to novelty, inventive step or industrial applicability; porting such statement	
1.	Statement				
	Novelty	(N)	Claims	2-6, 8-10	YES
			Claims	1, 7	_ NO
	Inventive	e step (IS)	Claims		YES
			Claims	1-10	_ NO
	Industria	l applicability (IA)	Claims	1-10	YES
			Claims		NO

- 2. Citations and explanations (Rule 70.7)
 - 1. This report refers to the following documents:
 - D1: WO 01/31883 A (NOMADIX INC; ROBBINS BARRY R (US); SHORT JOEL E (US); GOLDSTEIN JOSH), 3 May 2001 (2001-05-03)
 - D2: WO 00/14919 A (N C C EXPORT SYSTEMS 1995 LTD;
 ALTER MEIR (IL)), 16 March 2000 (2000-03-16)
 - D3: EDELL, RICHARD; VARAIYA, PRAVIN: "Providing Internet Access: What we learn from INDEX"

 [Online] 1999, pages 1-17, XP002303522, found on the Internet: <URL:

 http://paleale.eecs.berkeley.edu/~varaiya/papers_ps.dir/networkpaper.pdf> [found on 2004-11-02]
 - 2. The Examining Authority has given careful consideration to the arguments put forward by the applicant but sees no reason to revise its opinion.
 - 2.1 It should be noted that the term "service" used in the claims is not very specific, and that in normal everyday language the provision of Internet access is referred to as a service. Despite the fact that this has been pointed out, the applicant has neither put

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

forward any arguments to refute this view (that is,

forward any arguments to refute this view (that is, the fact that the term "service" also covers the provision of Internet access) nor amended the claims to incorporate features which exclude this interpretation of the term "service". Consequently all the objections raised in the previous communication still stand.

- 2.2 It is also noted that the applicant has not put forward any arguments to refute the Examining Authority's objection that the claims define business models.
- 2.3 Consequently all the objections relating to lack of novelty (PCT Article 33(2)) and lack of inventive step (PCT Article 33(3)) still stand.
- 3. The application fails to meet the requirements of PCT Article 33(1) because the subject matter of claims 1 and 7 is not novel (PCT Article 33(2)).
- 3.1 Document D1 discloses the following (the references in parentheses are to D1):

Method for billing a service in a packet data network (page 13, lines 15 to 20; page 15, line 30), wherein the service is linked to least two billing options (page 16, line 25 to page 17, line 3; the service in question is the provision of an access network with different data rates and associated billing options), and when the service is used data relating to the use of the service and a billing option selected by the user

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

are stored (page 11, lines 2 to 8; page 13, lines 5 to 20; page 16, line 25 to page 17, line 3).

The subject matter of claim 1 therefore lacks novelty.

- 3.2 The subject matter of claim 1 is also disclosed in documents D2 and D3 (see the passages cited in the search report), and therefore also lacks novelty over these documents.
- 3.3 It is noted that the wording of the first alternative in claim 1 is such that the features defined are not necessarily of a technical nature, but also cover business models. Attention is drawn to PCT Rule 67.1(iii). For example, the definition given in claim 1 also allows for the non-technical possibility that a customer applying for a DSL connection for the provision of an Internet access service can choose between time-based billing, volume-based billing and flat-rate billing. The subject matter of claim 1 therefore also lacks novelty in this respect.
- 3.4 Independent claim 7 defines a billing system for carrying out the method specified in claim 1.

 A system of this type is disclosed in D1 (see, for example, page 16, line 10 to page 17, line 3). The subject matter of claim 7 therefore also lacks novelty (PCT Article 33(2)).

All the objections raised in points 2.2 and 2.3 above apply similarly to claim 7.

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

4. Dependent claims 2 to 6 and 8 to 10 do not contain any features that meet the PCT requirements in respect of novelty or inventive step when combined with the features of any of the back-referenced claims (see documents D1, D2 and D3, and the passages cited in the search report).

Moreover, several of these claims are worded in such a way that they define business models (see PCT Rule 67.1(iii)).